An Essay Premonia Respectfully submitted to the Faculty of the Homocopathie Medical College of Plansylvania. By James & Black of Ganada Mest. February 1st 1858 -

The health of the body depends whom its organs performing properly their several function. Also the functional irregularity of one organ will disorder the entire system, But this general sympathey is more apparent and dangerous as the organ first attacked is important. Thus when the lungs heart or any other of the viscera are diseased the whole System is sometimes so disordered that death som results, Hence the term vital has been applied to these organs I have chosen as the subject of this Thesis meumonia or influence ation of the lungs, organ whose health is most essential to the welfare of the whole system. Now before the physician Can properly diagnose the disease affecting any organ he must become acquainted with it, pallology which would emply a Humledge of its anatomy and physiology - This amank is depecially have in diagnosing the pathological states of the longs which when known will reveal the progress more bythe disease and its probable termination. Pathologists

have received great encomagement to continue their important investigations by their descoveries in this region of their science, From this field farmic Andral and other eminent pathologists howe respect their richest howestof truths, which are now such an invaluable aid in the proper treatment of this die - use . I will now state the anatomy of the lungs. They are two in number, occupying the curaty of the chest, lack of the shape of an irregular come - They rest on The diaphragm, are protected unteriorly, posteriorly and laterally by the walls of the chest, The bronchia, newes and bloodversels, enter the lungs at the upper portion of their posterior margins - Each lung to divided into lobes, the right having their the left only two. The left lung is excavated for the reception of the heart, which is situated between the two lungs. Their colour varies with age In infancy it is of a pinkish have, in the adult greyish with black spots and in old age is much danker, They an lighter than water, hence sections of the lungs will floats

They are made up of blood vessels, lymphatics, newes, aix cells, and bronchial tubes all connected together with areolar tissue. as has been stated the blood vessels from-- chia and newes enter the lungs at the upper port - ion of their posterior margins. The two main division, of the trucked entering the lungs at this place divide and subdivide until their run fications buried in their substance become so diminutive as not to be seen without the aid of an misroscope. They are lived through their whole extent with a mucus membrane bountifully supplied with mucus follicles According to the calculation of Rochoux there are three him died million air cells in Each hing They are arraiged in lobules, Each lobule has to own bronchial tute into which some ofits cells immediate by open and, communicate with it through the former. The cells are hined with a fibrow membrane; hence in premmonia the inflammation afthis membrane is a companied by a deposition of februe The labules do not communicate with one another.

The arteries are called pulminary and bromeheal, The former conveys the blood to the lings to become renovated - Their capillaries completely surround and line the air cells. The blood is thus broughtinto near proximity with the die, being seperated from it by only a thin membrane - The news of the lungs come from the preumogustric news and connected gaughous. The lungs are pursuaded by and to the pleura by means of collular time The pleure is a serous membrane and being aften inflammed in this desease, pleurisy aggravales the pairs of the patient by a muleur of new symptoms. Although the mode by which the blood is purified in the lungs is still discussed by Julys iologists, they all agree that it is here purified and made fit for the system, and that the cells and bronchia must be free from all fringe In matter that the air may have free passage

through their whole extent before this purification will be accomplished The pathology of Pneumonie Its puthology is very interesting as it reveals the remarkable changes which result from the influenmation of the lung hasen. The lungs are liable to a series of changes from inflammation and each of them should ablain from the physician serious attention. They are divided into four stages, The first is Engargement - the second not he patigations the third gray he patifation and the fourth the stage of gangrene. In sugargement the long is garged with blood. Hence the natural colon of the lung gives place to a dark sed. The air cells and tubes being partially filled with an effusion of mucus and filme contain los air. Hence the diseased lung does not expitate as much muder the pressure of the fringer as the healthy hung. It is less elastic, retaining the impression of the figur, To consistence is that afthe spleen, and when Cut a bloody serum exudes and lastly than

its specific gravity though less than water is mucased. In sed Sepatifation there is no crepitation as the air is completely excluded from the Colls by the effusion - Aprice of the long will sink in water. Its substance when cut is of an sunform red colour except where it is mottled by specks of the black matter of the lung and interlobular arcolar time. The cells are obliterated and the lung becomes quite solice though of less consistence being more saily emshio or broken - It is sularged in its bulk. The lung is said to be hepatifed, because af the resemblance of its interior when out with that of the liver. In the stage of grey hepatigation the red or mottled appearance of the lung Changes to a reddish yellow colour. This is owing to the progres made by the process

of diargamfation. Now if the inciselling

is confuessed, a prinform matter evades.

Nearly all firmers of texture has disappound and the lung our be reduced to a yellowish grey pulp by curhing it with the fingers. This Is the last stage of ordinary premovina, Langue Sometimes attacks the lung but it is a very rue result of preumonia and generally constitutes are independant and primitive affection. Its presuce to auromiced to the physician by the horrible odone of the patients breath and expectorations. I have just stated the great changes undergone by the lungs in preumonia. Now they we not necessarily fatal. The stage of sugramment is not alrowys followed by heputigation It often yields to the reaction of any orous constitution and Somocopathic heatment generally succeeds in in subdring this stage when resorted to sarly And Hefatifution is not always futal. It is true that it incupacitates the lung, but in the first place seldom are both lungs attacked with premionia at the same time, have

though one is hepatized the respiratory function may be performed by the other - In the second place as the lung is divided frist into lober and then into lobules, hepatifation may be confined to one of the former or latter and thus but a small portion of one ling be useless - And lustly the hepatized part may be thrown of by expectoration and its place | he supplied by new tissue and thus the lung is entuely repaired. But when both lungs are at the same time diseased the result is generally imparonable or if the patient occovers from the premovia he will from fall victim to pathing pulmonalis Onemmonia attacks the right lung twice as often as it does the left and the lower lobes are more obnoxions to the clineare Hum the upper ones. In preumonia the mucus membrane of the brownchia is always inflammed carel the pleura is often attacked

hence this disease is always complicated water Bronchitis and often with fleurry. Having Stated the pathology of this disease I will proceed to explain the eigns of auxultation and percussion . A change occurring to the lungs is followed by an alteration of their normal sounds and these afford to a certain extent a true diagnosis of the progress of the disease. The Effusion of matter into the air cells during engryment so indicated by a peculiar crarkling sound which I' Williams says is similian to that made by subbing a lock of hair between the fringers. The natural respiratory running is a gentle rustling sound, Hence when one becomes very unted with the last sound he will upon mechanical frunciples refer the former to the pursage of air through the Effect liquid. But this is one of the signs of Bronchitis get the other symptoms of

Onemnonia will serve to decide that sugargement and not Bronchitis is present. Hepatis - extron destroys this sound of crepetation and in its stead there is bronchial respiration. The pursage of air wito the lung is confind to the brouchia - It is a puffing some d or like that produced by blowing through a mill. The voice can be heard with great Clearners on account of the solidifications the hung. This clear and loud voice is Called broncophony. The healthy lung being of a sprongy texture is a poor conductor of sound and therefore the voice in its parsage looses its distinctness, becoming a huming or multering - Oncussion of the chest over the hepatized portion is dull and flat , Such are the physical signs of Thermonia, Let they may be absent and still there be the diene For the diseased furtion may be so tuliely covered by healthy bring as to be beyond the much

of auscuttation or pucusion. Hence theart of percussion and anscultation should obtain from the young practitioner much study and he must practice them on many patients before he will become excellent in their The causes of Theumonia They are various. Vicissitudes of weather, It is especially aft to occur at the breaking up of Minter and early in Spring, Judden expresure to cold . It is very prevalent wither cold latetudes. The inhabition of acid and poisonous substances. Immoderate exercise of the lungs in Dinging and playing wind instruments. The Duffiession afhabitual discharges, attrocersion of cultimeous ruptions and metastasis of Gout and Theunation It often Complicates Small fox Typhone faver, Musles Hosping Cough, and Sculetfever, It also And among the seguelal of Iome of these diseases

Allopathic treatment especially the colonium tration of large dores of Jactar Emetic and lastly accidental wounds or those the result of . Durgecul aperations. The disease at first is amounced by feverial symptoms such as chilliness followed by heat and acceleration of the fulse, also by a dull deepseated pain in the chest. There is of breathing or dys man The patient complains of a weight on his Chest - The dyspurea increases as thereflower. - ation progresses and hepalifation takes place. At last the patient seems wholly occupied with respiring. The witere sufficultion he he expensives omokes him restles, and thuggle for more air. The blood not being property derated imparts a lived or very pule here to his countenance. There is a frequent, continous and short cough, at the out dry but followed by the expectoration of arusty

visced sputa, At first the expectoration Consists of a glainy onnews, but as influmnation goes on this changes to a rusty coloured sputa and this as the fratient recovers returns to the first. Children and old persons clonot give the rusty spula, they expectorate much less than do the middle aged, the rusty eputa sometimes is so viscidas to adhere to the basin when inverted When this is the ease, hepatifation has occur -ed, When the expectionation becomes of a greenish reddish or duty grey colone and has a footed smell, gargrene has occurred, The pratient generally lies on his buck, though cometimes on the diseased side, His ekin is hot and moist, there is thirst and a rapid fell pulse; The headache is sometimes very prolent and in the course of the disease delirium may oceur, The usine in the first and second

stages sometimes shows a reddish gray seliment In the third stage the wine becomes thick and trubid with great flakes Duspended in it and fus can be eletected in its sediment If allowed to stand for a few hours At becomes very offensive in its smell. The believer in Homocopathy is furtified ne contemplating the treatment of this disease with great sutisfaction, For the statistics of of Homocofathic treatment of preumonia have its sutere superiority to that of The old school, The Allopathic Thyserau Considers it as one of the most formidable and fatal of diseases, and in the treat ment of none does the foolishness. Of basing treatment upon mere theory more appear For their blind worship of theory has persuaded them to resort to treatment blood thirsty and savage When a number of allohather plays Crans surround a pratient

patient suffering an attack of prien monia, we have an apportunity of witness - my the first and last resorts of believers in the theories of learned new. The depletion of blood until the reaction of the system against the cliease husbeen quite subduel, the administration of large doses of Turtar Emetic, drawing the organs of their secretions by the adminestration of mercury, quieting the Cough by striping the nevous centres with opium, and lastly the applie--ation of numerous leeches and blisters, we hear persented after a very solum Consultations and no doubt true diag nosis - the exclaim tobat a muche if the poor fellow survives the concentrated attack of so nicing walnut measures upon the vital forces. But now and then they do service in spite of the tendancy of the

treatment and to them do the Allopattice school refer in thimph though statistics plainly prove that more putients recover when left to necture them when thurstie-- Eted. And by the same statistics it is proven that Homoeopathy sures more than marristed nature. The remedies which Homoeopathie practitioners principally use are Acourte, Belladonna, Phosphorus, Tartar Cometic, Rhur, Bry onia, Sulphur, Arsenicum, Carbo Vegetabilis and blina. Acouste is important whenever a fever es present, Bell is often administred in alteration with to when inclicated by the brain symptoms, in violent head whe flushed face and deliving. For The Pleurisig which after complicates preumonin Acouste and Brymia in alternation. Other symptoms may indicate another remedy metrad of Acouste - Bry is

indicated by cutting pains and stitches in the side especially on inspiration therefore difficult and anxious respiration, and troublesome cough. When hepatization as revealed by the peculiar sputa, prousing and auscultation, the physician should think of Justow metriand thos - Justan metre is indicated by cold and claimmy sking, expectoration of a yellowish or brownish colour and mused with blood, small soft and frequent pulse, is especially useful when bilions symptoms are present, a yellowish, brownish from the tongue, bitter turbo, name and bilions vomiting, yellow or dark wine and headache.

Coloned sputa which is with pain coupled up, great appression of breathing, striking and violent stileties in various peuts of the

chest, in the sides especially when setting and taking in an inspiration, Thus is indicated by excessive redul - ess of the face, great debility and prostration, extreme restlessness and when-= matic pairs in chest and sides, When preumonia is of a typhoil cast, By is often alternated with Blus with an improvement of the symptoms Sulphur is often of great in Enabling the other remedies to act, byremoving or diminishing the provacor scrofulous taint inherent to the system, Arteniaum is indicated by clammy Min great frequency of a weak pulse, the patient is greatly prostrated, his resp-- Matron is short and feeble, by dack tongue, extreme auguish ; exhausting diarrhoeas expectoration of foetil chiorganifed matter Carbo Vey and china rank in the same

class with Assenicum though the last is far the most reliable remedy When the patient is very much enfeebled by the exhausting influence of the chiease and does not rally under the treatment, he should be supported by port wine, beef tea and the like, thus life may be prolonged and the remedies having in the meanwhile answered the end for which they were administred the health of the fratient be restored. The dietetie regimen While the fever continues high, and in the commencement of the disease, the diet should consist of farinaceous and mucilaginous drinks - While thetreatment to with Acouste, all acid drucks should be prohibited, as they interfere with the action of this senedy. Otherwise they are allowable, such as the fuce of Danges or

of fresh Impes - The de coction or infu-Sion of chied fruit will prove very gratiful to the palient und at the Same time be hurmless, As the patient Convalences approve nourishing diet Should be perscribed, He should be allowed weak black tea, tousted head and erackers, boiled sice or indian much after these milk and finally theligh Ater meats, eggs, oysters etc. The end